

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**(Only for new nonprovisional applications under  
37 CFR 1.53(b))

Attorney Docket No.

UMI-359

First Inventor

Kim C. Hardee

Title

COLUMN READ AMPLIFIER POWER-GATING  
TECHNIQUE FOR INTEGRATED CIRCUIT  
MEMORY DEVICES AND THOSE DEVICES  
INCORPORATING EMBEDDED DYNAMIC  
RANDOM ACCESS MEMORY (DRAM)

Express Mail Label No.

EV331753746US

22390 U.S. PTO  
10776054**APPLICATION ELEMENTS**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form  
(submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27
3. ☒ Specification [ total pages 17 ]  
(preferred Arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) [ total sheets 2 ]
5. ☒ Oath or Declaration [ total pages 2 ]
- a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from prior appl. (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in prior application,  
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. (See 37 CFR 1.76)
7. ☐ CD-ROM or CD-R in duplicate, large table  
or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (coversheet/document(s))
10. ☐ 37 CFR. 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document
12. ☐ IDS & Form PTO/SB/08A ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
15. ☐ Certified Copy of Priority Document(s)
16. ☐ Nonpublication Request Under 35 USC 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35
17. ☒ Other: Certificate of Mailing by Express Mail

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /

Prior application information: Examiner:                      Group/Art Unit:                     

**FOR CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number **25235** or ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

Name (Print/Type)

William C. Kubida

Registration No.

29,664

(Signature)

Date

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision

## Complete if Known

Application Number	-----
Filing Date	Herewith
First Named Inventor	Kim C. Hardee
Examiner Name	
Group / Art Unit	
Attorney Docket No.	UMI-359

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**1,032.00**

## METHOD OF PAYMENT (check all that apply)

☒ check ☐ credit card ☐ money order ☐ other ☐ none  
☐ Deposit Account
Deposit  
Account  
Number

50-1123

Deposit  
Account  
Name

Hogan &amp; Hartson L.L.P.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
770	385	Utility Filing Fee	770.00
340	170	Design filing fee	
530	265	Plant filing fee	
770	385	Reissue filing fee	
160	80	Provisional filing fee	

SUBTOTAL (1) (\$)**770.00**

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Patent Claims	25	-20**= 5	X 18 = 90.00
Independent Claims	5	-3**= 2	X 86 = 172.00
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description
18	9	Claims in excess of 20
86	43	Independent claims in excess of 3
290	145	Multiple dependent claim, if not paid
86	43	**Reissue independent claims over original patent
18	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**262.00**

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	For filing a request for ex parte reexamination	
920*	920*	Requesting publication of SIR prior to Examiner action	
1,840*	1,840*	Requesting publication of SRI after Examiner action	
110	55	Extension for reply within first month	
420	210	Extension for reply within second month	
950	475	Extension for reply within third month	
1,480	740	Extension for reply within fourth month	
2,010	1,005	Extension for reply within fifth month	
330	165	Notice of Appeal	
330	165	Filing a brief in support of an appeal	
290	145	Request for oral hearing	
1,510	1,510	Petition to institute a public use proceeding	
110	55	Petition to revive - unavoidable	
1,330	665	Petition to revive - unintentional	
1,330	664	Utility issue fee (or reissue)	
480	240	Design issue fee	
640	320	Plant issue fee	
130	130	Petitions to the Commissioner	
50	50	Processing fee under 37 CFR 1.17(q)	
180	180	Submission of Info Disclosure Stmt	
40	40	Recording each patent assignment per property (times number of properties)	
770	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
770	385	For each additional invention to be examined (37 CFR § 1.129(b))	
770	385	Request for Continued Examination	
900	900	Request for expedited examination of a design application	
Other fee (specify)		.....	

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)**.00**

## SUBMITTED BY Complete (if applicable)

Name (Print/Type) **William J. Kubida**Registration No.  
(Attorney/Agent)

29,664

Telephone

(719) 448-5900

Signature

Date

15 February 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kim C. Hardee

Serial No. \_\_\_\_\_

Filed: Herewith

For: COLUMN READ AMPLIFIER  
POWER-GATING TECHNIQUE FOR  
INTEGRATED CIRCUIT MEMORY  
DEVICES AND THOSE DEVICES  
INCORPORATING EMBEDDED  
DYNAMIC RANDOM ACCESS MEMORY  
(DRAM)

CERTIFICATE OF MAILING BY EXPRESS MAIL

MAIL STOP PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

1. Utility Patent Application Transmittal;
  2. Fee Transmittal and \$1,032 filing fee;
  3. Utility Patent Application- 10 pgs. Spec, 6 pgs. Claims, 1 pg. Abstract;
  4. Executed Declaration for Utility Patent Application;
  5. 2 sheets of drawings;
  6. Return postcard; and
  7. Certificate of Mailing By Express Mail
- relating to the above application, were deposited as "Express Mail", Mailing Label  
No. EV331753746US, with the United States Postal Service, addressed to MAIL STOP  
PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria,  
VA 22313-1450.

11 February 2004  
\_\_\_\_\_  
Date

11 February 2004  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Mailer

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